Scharlau
The wise choice

SO0128 Sodium hydrogen carbonate, EssentQ®

assay (acidimetric) . . . . . min. 99 %
pH (5 %, H_2O) . . . . . max. 8,6
carbonates (CO_3) . . . . . passes test
chlorides (Cl) . . . . . max. 0,01 %
sulfates (SO_4) . . . . . max. 0,01 %
total nitrogen (as N) . . . . . max. 0,003 %
aluminium (Al) . . . . . max. 0,5 ppm
arsenic (As) . . . . . max. 2 ppm
calcium (Ca) . . . . . max. 0,01 %
copper (Cu) . . . . . max. 0,001 %
iron (Fe) . . . . . max. 0,001 %
lead (Pb) . . . . . max. 5 ppm
zinc (Zn) . . . . . max. 0,001 %
loss on drying (silica gel) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
SO0128005P	5 kg	P
SO0128025P	25 kg	P

SO0129 Sodium hydrogen carbonate, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (acidimetric, on dried sample) . . . . . 99,0 - 100,5 %
identification . . . . . passes test
appearance of solution . . . . . clear and colourless
insoluble matter . . . . . passes test
normal carbonate . . . . . passes test
chlorides (Cl) . . . . . max. 0,015 %
sulfates (SO_4) . . . . . max. 0,015 %
ammonium (NH_4) . . . . . max. 0,002 %
aluminium (Al) . . . . . max. 2 ppm
arsenic (As) . . . . . max. 2 ppm
calcium (Ca) . . . . . max. 0,01 %
copper (Cu) . . . . . max. 1 ppm
heavy metals (as Pb) . . . . . max. 0,001 %
iron (Fe) . . . . . max. 0,002 %
magnesium (Mg) . . . . . max. 0,004 %
organic impurities . . . . . max. 0,01 %
loss on drying (silica gel) . . . . . max. 0,25 %
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
SO1290500	500 g	P
SO1291000	1 kg	P
SO0129005P	5 kg	P
SO0129025P	25 kg	P

SO0131 Sodium hydrogen carbonate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur

assay (acidimetric, on dried sample) . . . . . 99,7 - 100,3 %
identity . . . . . passes test
appearance of solution . . . . . passes test
insoluble in water . . . . . max. 0,015 %
pH (5 %, H_2O) . . . . . max. 8,6
chlorides (Cl) . . . . . max. 0,002 %
phosphates (as PO_4) . . . . . max. 0,001 %
phosphates and silicates (as SiO_2) . . . . . max. 0,005 %
sulfates (SO_4) . . . . . max. 0,015 %
total nitrogen (as N) . . . . . max. 0,0005 %
ammonium (NH_4) . . . . . max. 0,0005 %
arsenic (As) . . . . . max. 2 ppm
calcium (Ca) . . . . . max. 0,01 %
copper (Cu) . . . . . max. 2 ppm
heavy metals (as Pb) . . . . . max. 5 ppm
iron (Fe) . . . . . max. 5 ppm
lead (Pb) . . . . . max. 5 ppm
magnesium (Mg) . . . . . max. 0,005 %
potassium (K) . . . . . max. 0,005 %
zinc (Zn) . . . . . max. 5 ppm
sulphur compounds (as SO_4) . . . . . max. 0,003 %
substances reducing iodine . . . . . max. 0,0065 %
loss on drying (silica gel) . . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
SO1310500	500 g	P
SO1311000	1 kg	P
SO0131005P	5 kg	P
SO0131025P	25 kg	P

SO0130 Sodium hydrogen carbonate, HPLC grade

assay (acidimetric) . . . . . min. 99,5 %
identity (IR-spectrum) . . . . . passes test
insoluble matter . . . . . passes test
max. absorbance of an aqueous sol. 10% in a 1,0 cm cell at wavelength — absorbance
240 nm . . . . . 0,1 AU
250 nm . . . . . 0,04 AU
260 nm . . . . . 0,02 AU
280 nm . . . . . 0,01 AU

ART. NO.	VOLUME	CONTAINER
SO1300250	250 g	G

SODIUM HYDROGEN CARBONATE, SATURATED SOLUTION

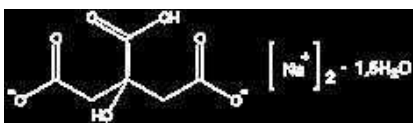
SO0133 Sodium hydrogen carbonate, saturated solution

- $NaHCO_3$
- M = 84,01 g/mol
- CAS [144-55-8]
- EINECS-No.: 205-633-8
- Density: 1,05 g/cm³
- LD 50 (oral, rat): 4220 mg/kg (anhydrous substance)
- Tariff number: 2836 30 00 00
- Applications: analytical chemistry, laboratory reagent.

composition: 80 g $NaHCO_3$/1 liter of H_2O

ART. NO.	VOLUME	CONTAINER
SO1331000	1 l	G

DI-SODIUM HYDROGEN CITRATE 1,5-HYDRATE



- $C_6H_6Na_2O_7 \cdot 1,5H_2O$
- M = 263,11 g/mol
- CAS [6132-05-4]
- EINECS-No.: 205-623-3
- Melting point: 149 °C
- Tariff number: 2918 15 00 90
- Applications: for pharmaceutical use (anticoagulant).